

FLOATING VERTICAL WINDMILL AERATION SYSTEM

ABSTRACT

An aeration device that converts wind energy into mechanical energy to drive a pump. The aeration device has a wind-driven rotor member that activates the pump by magnetic or mechanical forces. The pump is fixed within a housing. An aeration line extends from the housing through a ballast unit. An aeration tube is sealed to said aeration line via a barbed connection. The aeration tube extends downwardly, terminating in a foot valve. An anchor rope adjacently follows the aeration tube away from the ballast unit, where the anchor rope is fixed to an anchor, to secure the aeration system in place. Whereby when the wind-driven rotor members rotate about a rotor shaft, air is pumped from the pump out through the foot valve, to aerate the water.